

OptiStar 4.0 / Gema E-App

Gema

Easy for beginners, powerful for specialists

The **OptiStar 4.0** offers **3 pre-set standard** application programs for flat parts, profiles and recoating based on Gema experience. Advanced users can create and store a **library of application programs**, optimized for their parts and powder.



Clear interface

Easy for beginners

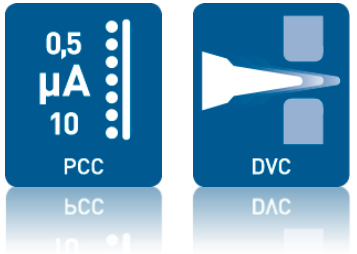
Powerful for specialists

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Power on your fingerprints

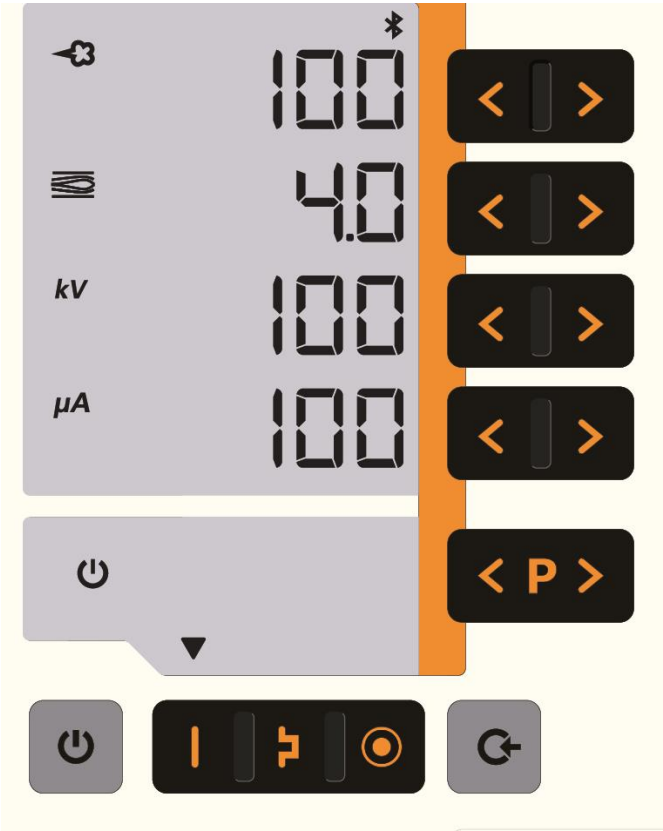
- The **OptiStar 4.0** control features the most advanced technologies to control the powder application:
  - **PCC** technology allows to optimize the electrostatic charging even with challenging powders
  - **DVC** technology grants the most precise and repeatable powder output settings
- A clear and easy to use interface makes it easy for every user to take advantage of these powerful technologies





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Easy control of the application parameters



Powder Output	[%]
Total Air volume	[Nm³/h] or [scfm]
High Voltage	[kV]
Spray Current	[µA]

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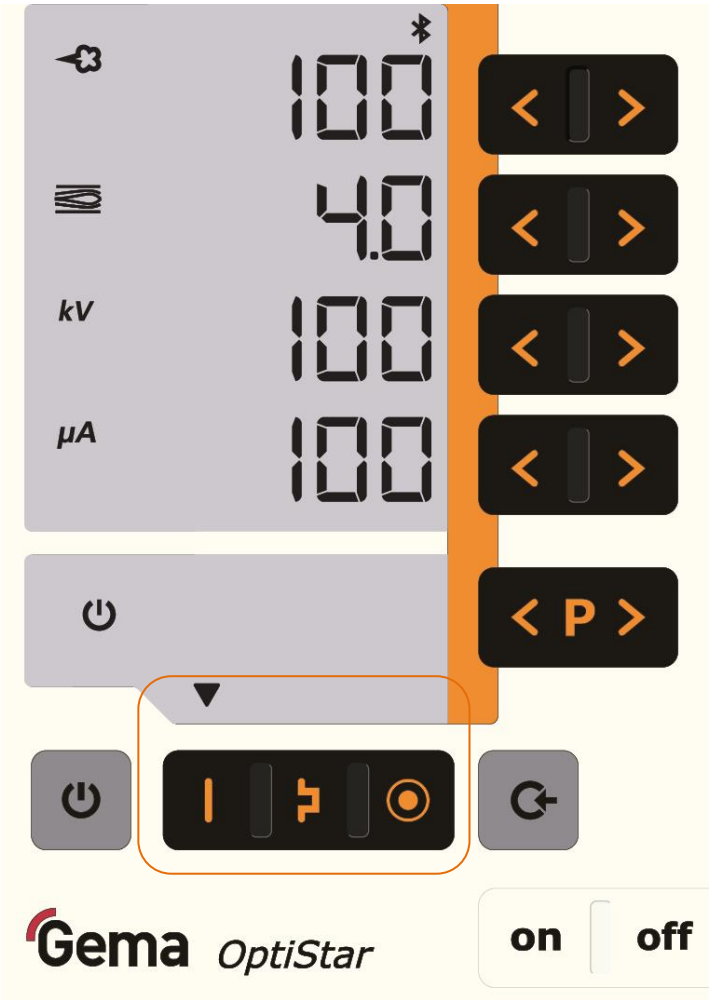
Pre-set application programs

- **3 pre-set application programs**, based on Gema's 40 years experience, are a great help for less experienced users.

The **flat parts program** is ideal for the coating of panels and flat parts.

The **complex parts program** is designed for the coating of three dimensional parts with complex shapes such as profiles.

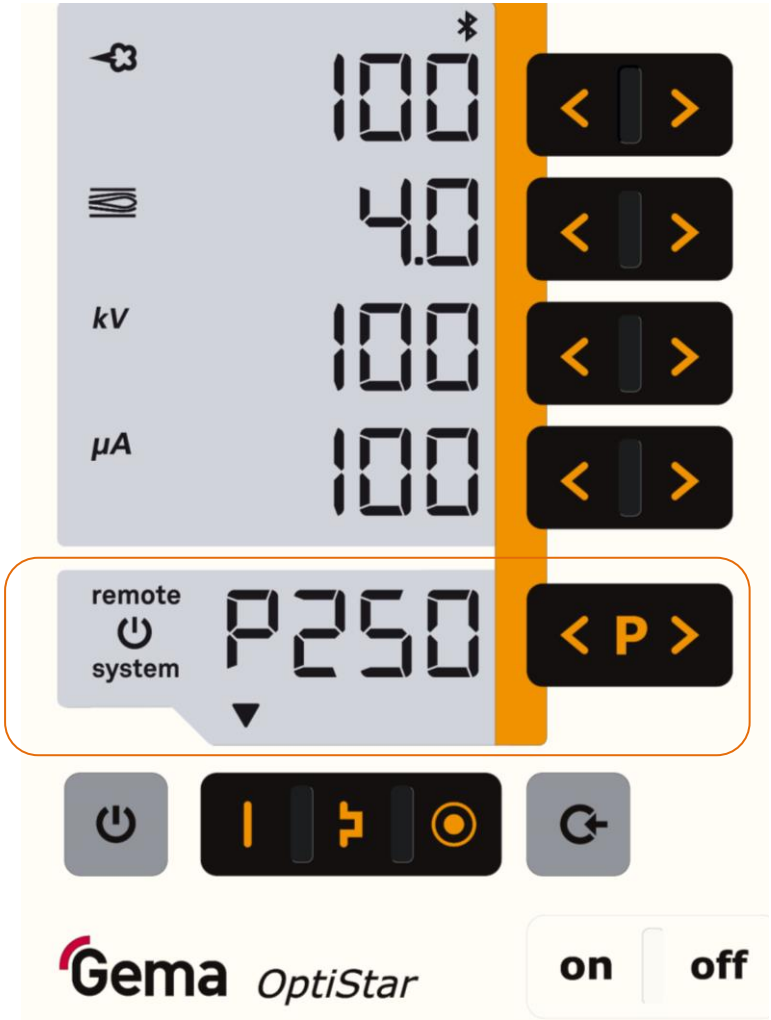
The **recoat program** parts is optimized for the re-coating of parts which have already been coated.



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Application programs library

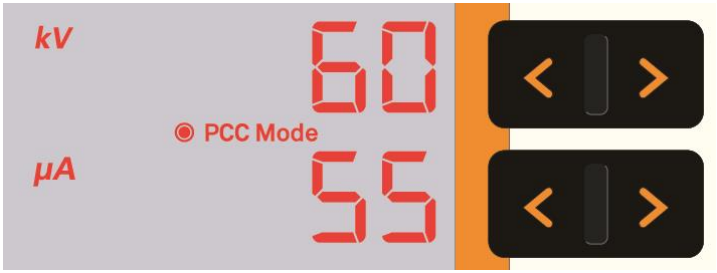
- Advanced users can create and easily recall their **library of application programs.**
- Each program **includes all the application parameters** (powder output, air volume, high voltage, charging current).
- The programs are **automatically saved** and can be easily recalled when required.
- Each part can be coated always with its ideal settings.
  This strongly improves the application quality.



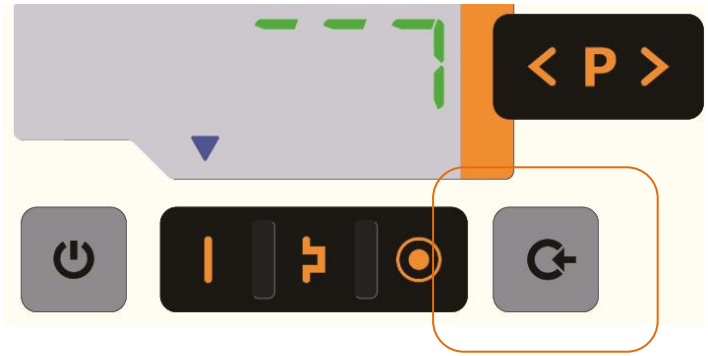
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Advanced features

- **Precise Charge Control** (**PCC**) mode is automatically activated when Current is set below 10 µA.
  - HV / Current display turns red



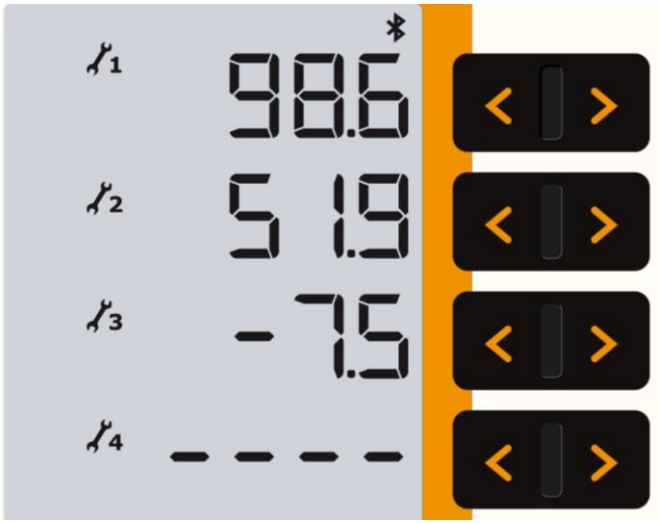
- **Rinsing** mode is used to remove powder accumulations from the injector / hose / gun.
  - Display shows a rotating green symbol



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Advanced features

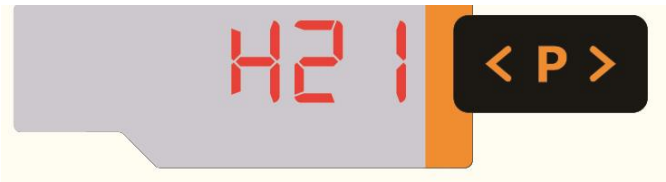
- The control unit offers the possibility to **monitor wearing parts** using up to 4 working hours reverse counters



- **Powder output correction factor** compensates the different hoses lengths and makes sure that all guns have the same powder output

- **Keyboard lock** prevents accidental modification of the parameters

- In case of failure the display shows an error code for **easier troubleshooting**



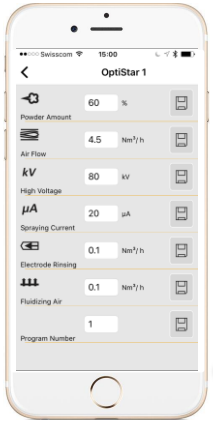
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18:07
OptiStar 5
80
%
Powder Amount
4.5
Nm³/h
Air Flow
kV
100
kV
High Voltage
µA
100
µA
Spraying Current
0.1
Nm³/h
Electrode Rinsing
1
Nm³/h
Fluidizing Air
1
Program Number
µA
kV
E-App

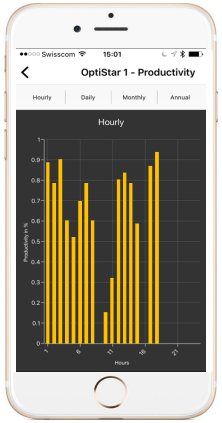
Gema E-App

Gema E-App Functions

Application

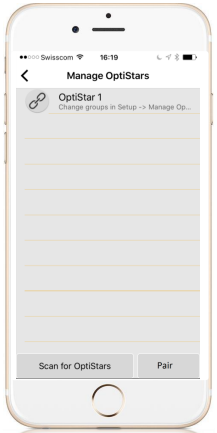


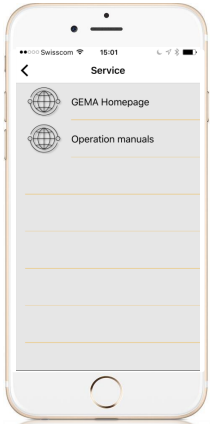




Line Management

Setup

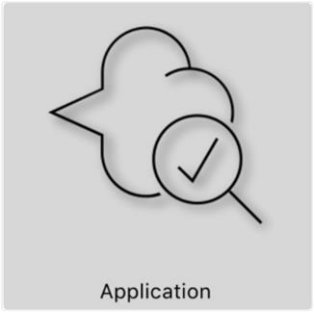




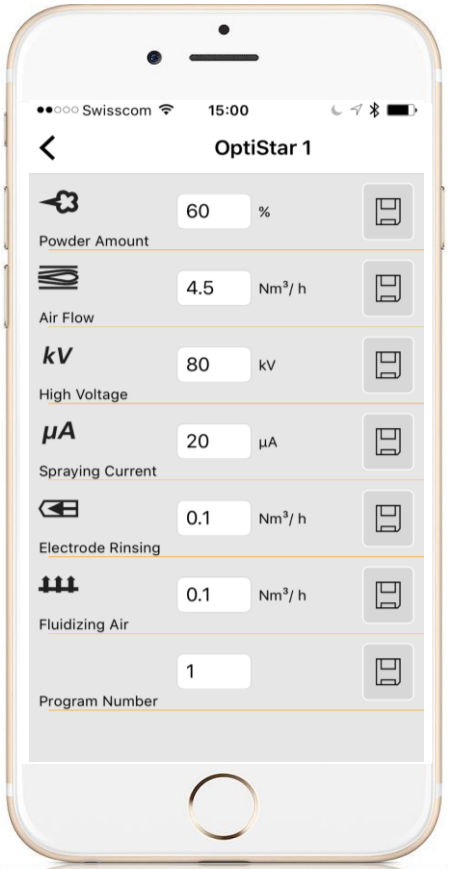
Service

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Gema E-App Application



Control and adjust coating parameters in real time.







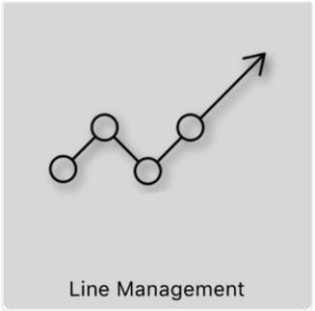




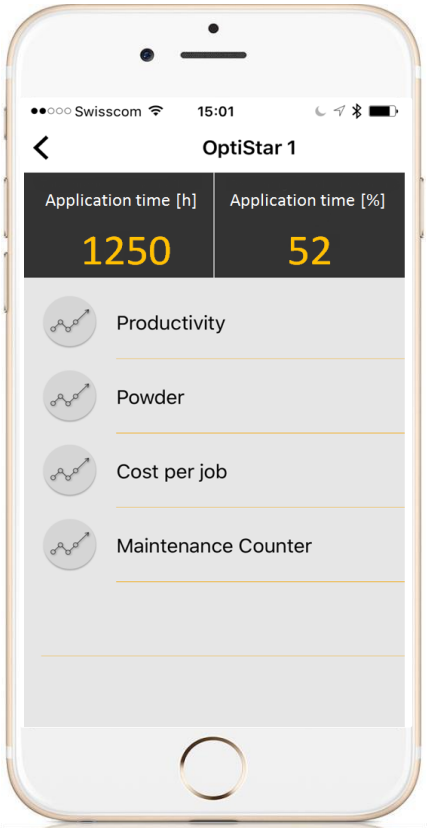
Single gun control or Group gun control (A, B, C, D)

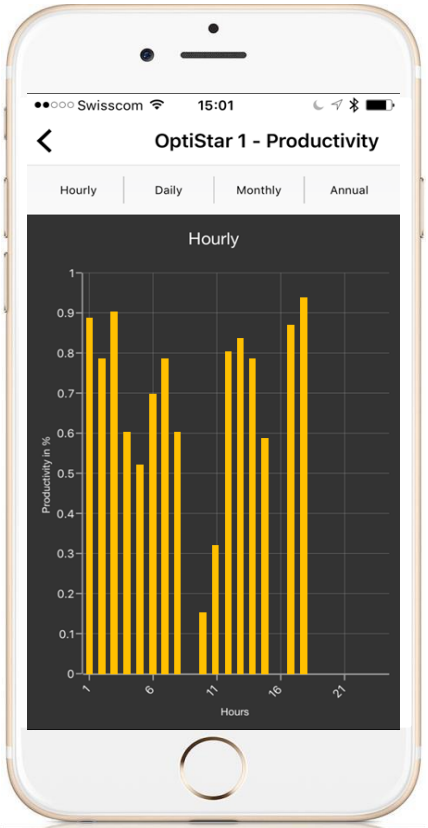
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Gema E-App Line Management



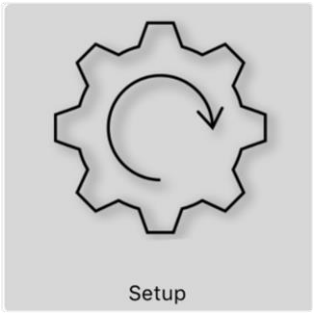
Visualize coating productivity data. Statistics and cost calculations from production are automatically generated.



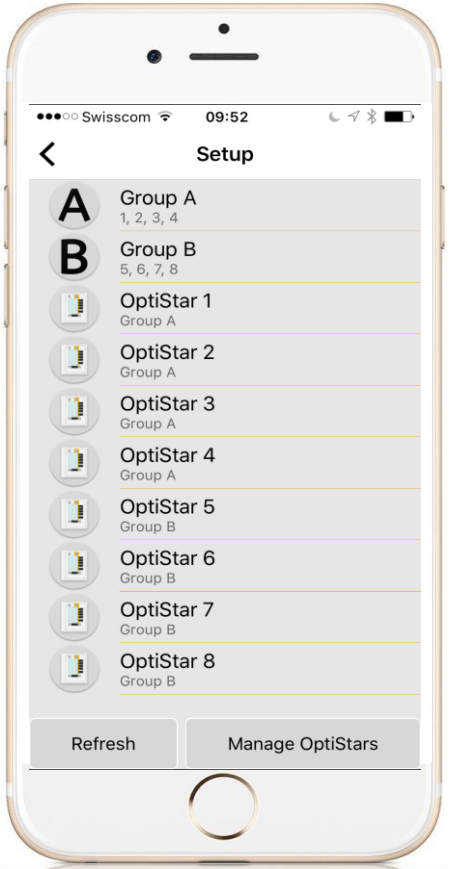


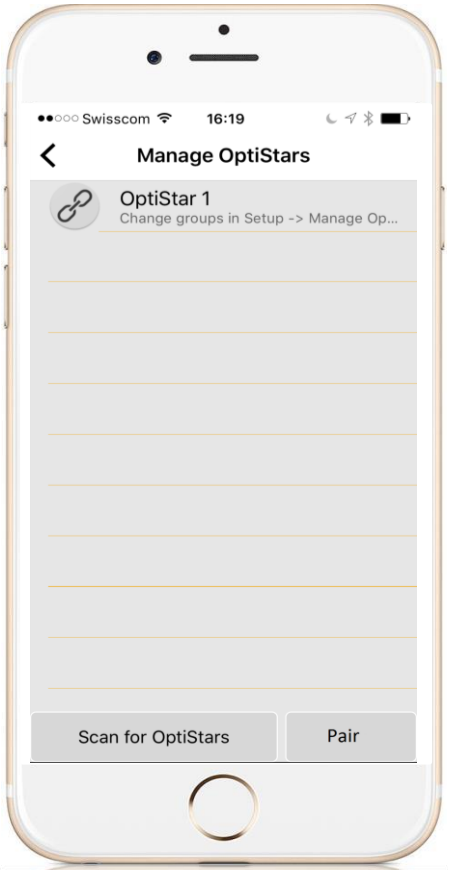
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Gema E-App Setup



Configure OptiStar individually or in a group of control units. System information and diagnostic data are easily retrievable.



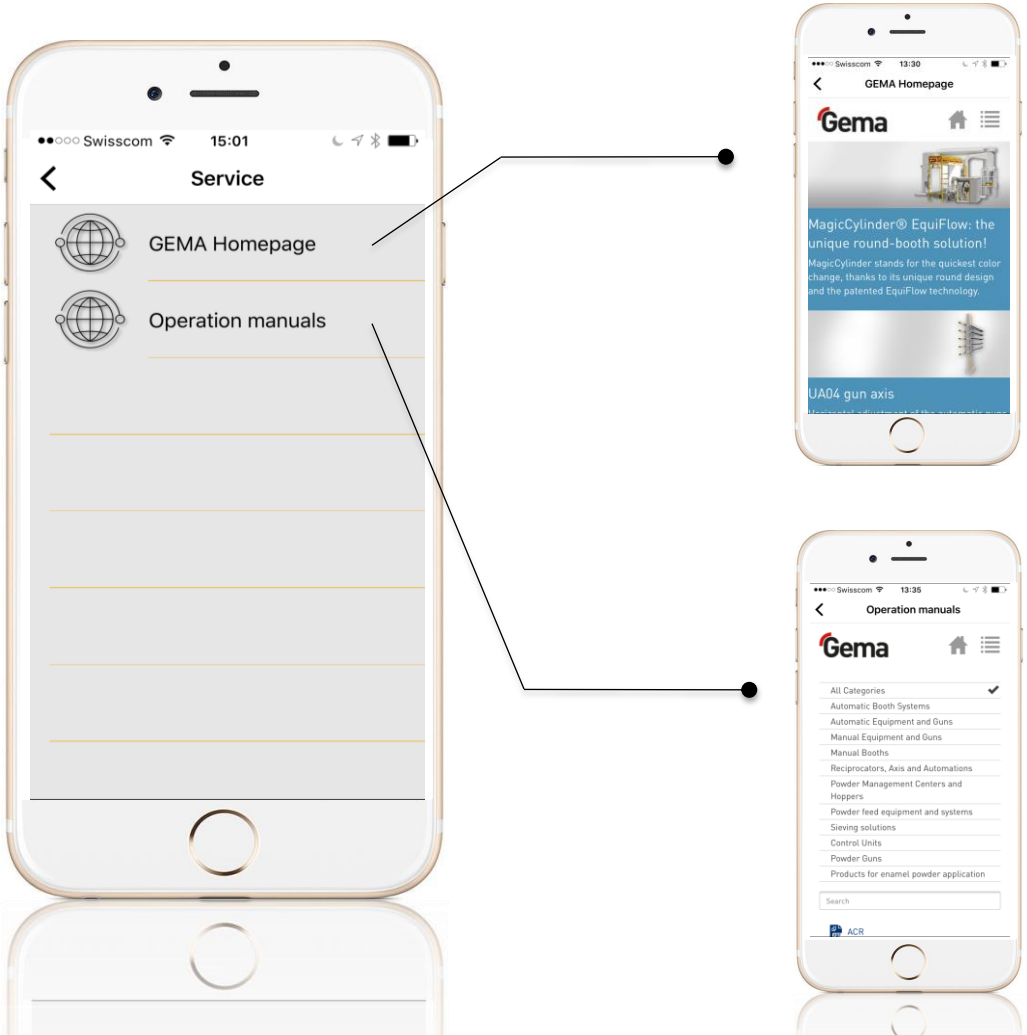


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Gema E-App Service



Access directly the operation manuals of the system components or the Gema website.



Gema E-App Pairing

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Mobile App-Stores
Optimized for 6” screen size

Pairing



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60
4.0
37
16
P01
on
off
Gema OptiStar
60
4.0
32
20
P01
on
off